

ALMANAC CLXIII OPPOSITIONS BETWEEN SUN AND SATURN IN BCE

The almanac CLXIII contains a list of oppositions between Sun and Saturn in the 1st millennium BCE.

1ST MILLENNIUM BCE

This is a list of oppositions between Sun and Saturn in the

1st millennium BCE.

DATE	TIME	ARC	SUN	SATURN
JUL 22, -599	10:52 PM	180	22CA19	22CP19R
AUG 04, -598	11:30 PM	180	04LE42	04AQ42R
AUG 18, -597	07:00 AM	180	17LE27	17AQ27R
AUG 30, -596	09:24 PM	180	00VI35	00PI35R
SEP 13, -595	06:14 PM	180	14VI06	14PI06R
SEP 27, -594	08:50 PM	180	27VI57	27PI57R
OCT 12, -593	03:58 AM	180	12LI06	12AR06R
OCT 25, -592	01:53 PM	180	26LI28	26AR28R
NOV 09, -591	00:55 AM	180	10SC56	10TA56R
NOV 23, -590	10:57 AM	180	25SC23	25TA23R
DEC 07, -589	05:59 PM	180	09SA44	09GE44R
DEC 20, -588	08:42 PM	180	23SA53	23GE53R
JAN 03, -586	05:45 PM	180	07CP43	07CA43R
JAN 17, -585	08:17 AM	180	21CP14	21CA14R
JAN 30, -584	04:19 PM	180	04AQ23	04LE23R
FEB 11, -583	05:34 PM	180	17AQ09	17LE09R
FEB 24, -582	12:09 PM	180	29AQ33	29LE33R
MAR 09, -581	01:01 AM	180	11PI38	11VI38R
MAR 20, -580	08:59 AM	180	23PI25	23VI25R
APR 01, -579	12:54 PM	180	04AR58	04LI58R
APR 13, -578	01:56 PM	180	16AR20	16LI20R
APR 25, -577	01:01 PM	180	27AR34	27LI34R
MAY 06, -576	11:15 AM	180	08TA43	08SC43R
MAY 18, -575	09:42 AM	180	19TA51	19SC51R
MAY 30, -574	09:23 AM	180	01GE02	01SA02R
JUN 11, -573	11:30 AM	180	12GE18	12SA18R

JUN 22, -572	05:03 PM	180	23GE44	23SA44R
JUL 05, -571	03:01 AM	180	05CA23	05CP23R
JUL 17, -570	06:42 PM	180	17CA18	17CP18R
JUL 30, -569	04:35 PM	180	29CA32	29CP32R
AUG 11, -568	09:00 PM	180	12LE07	12AQ07R
AUG 25, -567	08:38 AM	180	25LE06	25AQ06R
SEP 08, -566	03:12 AM	180	08VI27	08PI27R
SEP 22, -565	03:49 AM	180	22VI11	22PI11R
OCT 05, -564	09:32 AM	180	06LI14	06AR14R
OCT 19, -563	06:42 PM	180	20LI31	20AR31R
NOV 03, -562	05:22 AM	180	04SC57	04TA57R
NOV 17, -561	03:54 PM	180	19SC26	19TA26R
DEC 01, -560	00:31 AM	180	03SA51	03GE51R
DEC 15, -559	05:28 AM	180	18SA06	18GE06R
DEC 29, -558	05:22 AM	180	02CP06	02CA06R
JAN 11, -556	11:03 PM	180	15CP46	15CA46R
JAN 24, -555	09:59 AM	180	29CP04	29CA04R
FEB 06, -554	02:01 PM	180	12AQ00	12LE00R
FEB 19, -553	11:19 AM	180	24AQ33	24LE33R
MAR 03, -552	02:39 AM	180	06PI45	06VI45R
MAR 15, -551	12:23 PM	180	18PI39	18VI39R
MAR 27, -550	05:21 PM	180	00AR17	00LI17R
APR 08, -549	07:01 PM	180	11AR41	11LI41R
APR 19, -548	06:16 PM	180	22AR57	22LI57R
MAY 01, -547	03:53 PM	180	04TA06	04SC06R
MAY 13, -546	01:18 PM	180	15TA13	15SC13R
MAY 25, -545	11:36 AM	180	26TA20	26SC20R
JUN 05, -544	11:44 AM	180	07GE32	07SA32R
JUN 17, -543	02:51 PM	180	18GE52	18SA52R
JUN 29, -542	09:56 PM	180	00CA22	00CP22R

JUL 12, -541	09:59 AM	180	12CA08	12CP08R
JUL 24, -540	04:01 AM	180	24CA10	24CP10R
AUG 06, -539	04:35 AM	180	06LE34	06AQ34R
AUG 19, -538	12:15 PM	180	19LE20	19AQ20R
SEP 02, -537	02:48 AM	180	02VI29	02PI29R
SEP 14, -536	11:48 PM	180	16VI00	16PI00R
SEP 29, -535	02:46 AM	180	29VI53	29PI53R
OCT 13, -534	10:17 AM	180	14LI03	14AR03R
OCT 27, -533	08:30 PM	180	28LI26	28AR26R
NOV 10, -532	07:46 AM	180	12SC54	12TA54R
NOV 24, -531	05:55 PM	180	27SC23	27TA23R
DEC 09, -530	00:58 AM	180	11SA44	11GE44R
DEC 23, -529	03:37 AM	180	25SA52	25GE52R
JAN 05, -527	00:38 AM	180	09CP42	09CA42R
JAN 18, -526	03:05 PM	180	23CP12	23CA12R
JAN 31, -525	10:53 PM	180	06AQ20	06LE20R
FEB 13, -524	11:53 PM	180	19AQ05	19LE05R
FEB 25, -523	06:20 PM	180	01PI29	01VI29R
MAR 10, -522	06:59 AM	180	13PI32	13VI32R
MAR 22, -521	02:38 PM	180	25PI18	25VI18R
APR 02, -520	06:15 PM	180	06AR50	06LI50R
APR 14, -519	06:48 PM	180	18AR10	18LI10R
APR 26, -518	05:26 PM	180	29AR23	29LI23R
MAY 08, -517	03:27 PM	180	10TA32	10SC32R
MAY 19, -516	01:38 PM	180	21TA39	21SC39R
MAY 31, -515	12:52 PM	180	02GE49	02SA49R
JUN 12, -514	02:43 PM	180	14GE05	14SA05R
JUN 24, -513	08:12 PM	180	25GE30	25SA30R
JUL 06, -512	06:05 AM	180	07CA09	07CP09R
JUL 18, -511	09:34 PM	180	19CA04	19CP04R

JUL 31, -510	07:25 PM	180	01LE18	01AQ18R
AUG 14, -509	00:02 AM	180	13LE54	13AQ54R
AUG 26, -508	11:52 AM	180	26LE54	26AQ54R
SEP 09, -507	06:36 AM	180	10VI16	10PI16R
SEP 23, -506	07:34 AM	180	24VI01	24PI01R
OCT 07, -505	01:37 PM	180	08LI06	08AR06R
OCT 20, -504	11:05 PM	180	22LI24	22AR24R
NOV 04, -503	10:13 AM	180	06SC51	06TA51R
NOV 18, -502	09:01 PM	180	21SC21	21TA21R
DEC 03, -501	05:40 AM	180	05SA46	05GE46R
DEC 16, -500	10:42 AM	180	20SA00	20GE00R
DEC 30, -499	10:32 AM	180	04CP00	04CA00R
JAN 13, -497	04:05 AM	180	17CP39	17CA39R
JAN 26, -496	03:03 PM	180	00AQ57	00LE57R
FEB 07, -495	07:07 PM	180	13AQ53	13LE53R
FEB 20, -494	04:19 PM	180	26AQ25	26LE25R
MAR 05, -493	07:28 AM	180	08PI37	08VI37R
MAR 16, -492	05:05 PM	180	20PI30	20VI30R
MAR 28, -491	09:55 PM	180	02AR07	02LI07R
APR 09, -490	11:24 PM	180	13AR31	13LI31R
APR 21, -489	10:23 PM	180	24AR46	24LI46R
MAY 02, -488	07:50 PM	180	05TA55	05SC55R
MAY 14, -487	04:59 PM	180	17TA01	17SC01R
MAY 26, -486	03:07 PM	180	28TA08	28SC08R
JUN 07, -485	03:12 PM	180	09GE19	09SA19R
JUN 18, -484	06:10 PM	180	20GE39	20SA39R
JUL 01, -483	00:59 AM	180	02CA09	02CP09R
JUL 13, -482	01:01 PM	180	13CA54	13CP54R
JUL 26, -481	06:59 AM	180	25CA57	25CP57R
AUG 07, -480	07:24 AM	180	08LE20	08AQ20R

AUG 20, -479	02:56 PM	180	21LE06	21AQ06R
SEP 03, -478	05:31 AM	180	04VI15	04PI15R
SEP 17, -477	02:36 AM	180	17VI48	17PI48R
SEP 30, -476	05:38 AM	180	01LI41	01AR41R
OCT 14, -475	01:12 PM	180	15LI51	15AR51R
OCT 28, -474	11:26 PM	180	00SC14	00TA14R
NOV 12, -473	10:36 AM	180	14SC43	14TA43R
NOV 25, -472	08:39 PM	180	29SC11	29TA11R
DEC 10, -471	03:41 AM	180	13SA32	13GE32R
DEC 24, -470	06:18 AM	180	27SA40	27GE40R
JAN 07, -468	03:13 AM	180	11CP30	11CA30R
JAN 19, -467	05:40 PM	180	24CP59	24CA59R
FEB 02, -466	01:19 AM	180	08AQ07	08LE07R
FEB 15, -465	02:12 AM	180	20AQ51	20LE51R
FEB 27, -464	08:48 PM	180	03PI14	03VI14R
MAR 11, -463	09:32 AM	180	15PI18	15VI18R
MAR 23, -462	05:02 PM	180	27PI03	27VI03R
APR 04, -461	08:32 PM	180	08AR34	08LI34R
APR 15, -460	08:59 PM	180	19AR54	19LI54R
APR 27, -459	07:25 PM	180	01TA06	01SC06R
MAY 09, -458	05:15 PM	180	12TA14	12SC14R
MAY 21, -457	03:14 PM	180	23TA21	23SC21R
JUN 01, -456	02:20 PM	180	04GE31	04SA31R
JUN 13, -455	03:59 PM	180	15GE47	15SA47R
JUN 25, -454	09:18 PM	180	27GE12	27SA12R
JUL 08, -453	07:01 AM	180	08CA50	08CP50R
JUL 19, -452	10:13 PM	180	20CA45	20CP45R
AUG 01, -451	07:46 PM	180	02LE59	02AQ59R
AUG 15, -450	00:20 AM	180	15LE35	15AQ35R
AUG 28, -449	12:02 PM	180	28LE34	28AQ34R

SEP 10, -448	06:32 AM	180	11VI57	11PI57R
SEP 24, -447	07:27 AM	180	25VI42	25PI42R
OCT 08, -446	01:34 PM	180	09LI47	09AR47R
OCT 22, -445	11:08 PM	180	24LI06	24AR06R
NOV 05, -444	10:34 AM	180	08SC34	08TA34R
NOV 19, -443	09:34 PM	180	23SC03	23TA03R
DEC 04, -442	06:12 AM	180	07SA28	07GE28R
DEC 18, -441	11:13 AM	180	21SA43	21GE43R
DEC 31, -440	11:07 AM	180	05CP42	05CA42R
JAN 14, -438	04:48 AM	180	19CP22	19CA22R
JAN 27, -437	03:59 PM	180	02AQ40	02LE40R
FEB 09, -436	08:19 PM	180	15AQ36	15LE36R
FEB 21, -435	05:43 PM	180	28AQ09	28LE09R
MAR 06, -434	08:58 AM	180	10PI21	10VI21R
MAR 18, -433	06:44 PM	180	22PI14	22VI14R
MAR 29, -432	11:52 PM	180	03AR51	03LI51R
APR 11, -431	01:19 AM	180	15AR15	15LI15R
APR 23, -430	00:07 AM	180	26AR29	26LI29R
MAY 04, -429	09:33 PM	180	07TA38	07SC38R
MAY 15, -428	06:40 PM	180	18TA43	18SC43R
MAY 27, -427	04:30 PM	180	29TA50	29SC50R
JUN 08, -426	04:23 PM	180	11GE01	11SA01R
JUN 20, -425	07:12 PM	180	22GE20	22SA20R
JUL 02, -424	01:52 AM	180	03CA50	03CP50R
JUL 14, -423	01:42 PM	180	15CA35	15CP35R
JUL 27, -422	07:26 AM	180	27CA37	27CP37R
AUG 09, -421	07:33 AM	180	10LE00	10AQ00R
AUG 21, -420	02:49 PM	180	22LE46	22AQ46R
SEP 04, -419	05:15 AM	180	05VI55	05PI55R
SEP 18, -418	02:19 AM	180	19VI27	19PI27R

OCT 02, -417	05:14 AM	180	03LI20	03AR20R
OCT 15, -416	12:37 PM	180	17LI31	17AR31R
OCT 29, -415	10:49 PM	180	01SC54	01TA54R
NOV 13, -414	09:57 AM	180	16SC23	16TA23R
NOV 27, -413	07:56 PM	180	00SA52	00GE52R
DEC 11, -412	03:05 AM	180	15SA12	15GE12R
DEC 25, -411	05:43 AM	180	29SA20	29GE20R
JAN 08, -409	02:34 AM	180	13CP10	13CA10R
JAN 21, -408	05:03 PM	180	26CP39	26CA39R
FEB 03, -407	00:44 AM	180	09AQ46	09LE46R
FEB 16, -406	01:39 AM	180	22AQ30	22LE30R
FEB 28, -405	08:24 PM	180	04PI53	04VI53R
MAR 12, -404	09:17 AM	180	16PI56	16VI56R
MAR 24, -403	04:48 PM	180	28PI42	28VI42R
APR 05, -402	08:20 PM	180	10AR13	10LI13R
APR 17, -401	08:55 PM	180	21AR33	21LI33R
APR 28, -400	07:24 PM	180	02TA45	02SC45R
MAY 10, -399	05:03 PM	180	13TA53	13SC53R
MAY 22, -398	02:57 PM	180	25TA00	25SC00R
JUN 03, -397	02:11 PM	180	06GE09	06SA09R
JUN 14, -396	03:49 PM	180	17GE25	17SA25R
JUN 26, -395	08:51 PM	180	28GE50	28SA50R
JUL 09, -394	06:29 AM	180	10CA28	10CP28R
JUL 21, -393	09:36 PM	180	22CA23	22CP23R
AUG 02, -392	06:55 PM	180	04LE37	04AQ37R
AUG 15, -391	11:18 PM	180	17LE13	17AQ13R
AUG 29, -390	10:45 AM	180	00VI12	00PI12R
SEP 12, -389	04:58 AM	180	13VI34	13PI34R
SEP 25, -388	05:41 AM	180	27VI19	27PI19R
OCT 09, -387	11:43 AM	180	11LI23	11AR23R

OCT 23, -386	09:16 PM	180	25LI42	25AR42R
NOV 07, -385	08:38 AM	180	10SC10	10TA10R
NOV 20, -384	07:37 PM	180	24SC39	24TA39R
DEC 05, -383	04:08 AM	180	09SA04	09GE04R
DEC 19, -382	08:57 AM	180	23SA18	23GE18R
JAN 02, -380	08:45 AM	180	07CP17	07CA17R
JAN 15, -379	02:33 AM	180	20CP57	20CA57R
JAN 28, -378	01:48 PM	180	04AQ15	04LE15R
FEB 10, -377	06:13 PM	180	17AQ11	17LE11R
FEB 23, -376	03:57 PM	180	29AQ45	29LE45R
MAR 07, -375	07:28 AM	180	11PI57	11VI57R
MAR 19, -374	05:29 PM	180	23PI51	23VI51R
MAR 31, -373	10:58 PM	180	05AR28	05LI28R
APR 12, -372	00:38 AM	180	16AR52	16LI52R
APR 23, -371	11:31 PM	180	28AR07	28LI07R
MAY 05, -370	09:11 PM	180	09TA16	09SC16R
MAY 17, -369	06:32 PM	180	20TA21	20SC21R
MAY 28, -368	04:22 PM	180	01GE28	01SA28R
JUN 09, -367	04:10 PM	180	12GE39	12SA39R
JUN 21, -366	07:02 PM	180	23GE58	23SA58R
JUL 04, -365	01:46 AM	180	05CA28	05CP28R
JUL 15, -364	01:25 PM	180	17CA13	17CP13R
JUL 28, -363	06:50 AM	180	29CA15	29CP15R
AUG 10, -362	06:46 AM	180	11LE38	11AQ38R
AUG 23, -361	01:46 PM	180	24LE23	24AQ23R
SEP 05, -360	03:46 AM	180	07VI32	07PI32R
SEP 19, -359	00:31 AM	180	21VI03	21PI03R
OCT 03, -358	03:03 AM	180	04LI56	04AR56R
OCT 17, -357	09:58 AM	180	19LI06	19AR06R
OCT 30, -356	07:54 PM	180	03SC29	03TA29R

NOV 14, -355	06:50 AM	180	17SC57	17TA57R
NOV 28, -354	04:38 PM	180	02SA25	02GE25R
DEC 12, -353	11:41 PM	180	16SA45	16GE45R
DEC 26, -352	02:15 AM	180	00CP52	00CA52R
JAN 08, -350	10:59 PM	180	14CP42	14CA42R
JAN 22, -349	01:33 PM	180	28CP11	28CA11R
FEB 04, -348	09:26 PM	180	11AQ18	11LE18R
FEB 16, -347	10:36 PM	180	24AQ02	24LE02R
MAR 01, -346	05:32 PM	180	06PI26	06VI26R
MAR 14, -345	06:41 AM	180	18PI29	18VI29R
MAR 25, -344	02:37 PM	180	00AR16	00LI16R
APR 06, -343	06:28 PM	180	11AR47	11LI47R
APR 18, -342	07:13 PM	180	23AR07	23LI07R
APR 30, -341	05:53 PM	180	04TA20	04SC20R
MAY 11, -340	03:37 PM	180	15TA28	15SC28R
MAY 23, -339	01:32 PM	180	26TA35	26SC35R
JUN 04, -338	12:56 PM	180	07GE45	07SA45R
JUN 16, -337	02:36 PM	180	19GE01	19SA01R
JUN 27, -336	07:25 PM	180	00CA26	00CP26R
JUL 10, -335	04:57 AM	180	12CA04	12CP04R
JUL 22, -334	07:59 PM	180	23CA58	23CP58R
AUG 04, -333	05:02 PM	180	06LE12	06AQ12R
AUG 16, -332	08:58 PM	180	18LE47	18AQ47R
AUG 30, -331	08:01 AM	180	01VI45	01PI45R
SEP 13, -330	01:57 AM	180	15VI07	15PI07R
SEP 27, -329	02:21 AM	180	28VI51	28PI51R
OCT 10, -328	08:03 AM	180	12LI54	12AR54R
OCT 24, -327	05:23 PM	180	27LI13	27AR13R
NOV 08, -326	04:32 AM	180	11SC41	11TA41R
NOV 22, -325	03:22 PM	180	26SC10	26TA10R

DEC 05, -324	11:56 PM	180	10SA35	10GE35R
DEC 20, -323	04:42 AM	180	24SA49	24GE49R
JAN 03, -321	04:26 AM	180	08CP48	08CA48R
JAN 16, -320	10:21 PM	180	22CP27	22CA27R
JAN 29, -319	09:40 AM	180	05AQ46	05LE46R
FEB 11, -318	02:10 PM	180	18AQ42	18LE42R
FEB 24, -317	12:17 PM	180	01PI16	01VI16R
MAR 08, -316	04:14 AM	180	13PI29	13VI29R
MAR 20, -315	02:33 PM	180	25PI23	25VI23R
APR 01, -314	08:19 PM	180	07AR01	07LI01R
APR 13, -313	10:23 PM	180	18AR26	18LI26R
APR 24, -312	09:39 PM	180	29AR41	29LI41R
MAY 06, -311	07:34 PM	180	10TA50	10SC50R
MAY 18, -310	05:06 PM	180	21TA57	21SC57R
MAY 30, -309	03:11 PM	180	03GE04	03SA04R
JUN 10, -308	03:11 PM	180	14GE15	14SA15R
JUN 22, -307	06:12 PM	180	25GE35	25SA35R
JUL 05, -306	01:09 AM	180	07CA06	07CP06R
JUL 17, -305	12:52 PM	180	18CA51	18CP51R
JUL 29, -304	06:09 AM	180	00LE53	00AQ53R
AUG 11, -303	06:05 AM	180	13LE16	13AQ16R
AUG 24, -302	12:55 PM	180	26LE01	26AQ01R
SEP 07, -301	02:33 AM	180	09VI09	09PI09R
SEP 19, -300	10:56 PM	180	22VI41	22PI41R
OCT 04, -299	01:07 AM	180	06LI33	06AR33R
OCT 18, -298	07:42 AM	180	20LI42	20AR42R
NOV 01, -297	05:18 PM	180	05SC04	05TA04R
NOV 15, -296	03:53 AM	180	19SC31	19TA31R
NOV 29, -295	01:18 PM	180	03SA58	03GE58R
DEC 13, -294	07:57 PM	180	18SA17	18GE17R

DEC 27, -293	10:12 PM	180	02CP23	02CA23R
JAN 09, -291	06:48 PM	180	16CP12	16CA12R
JAN 23, -290	09:16 AM	180	29CP41	29CA41R
FEB 05, -289	05:11 PM	180	12AQ47	12LE47R
FEB 18, -288	06:28 PM	180	25AQ32	25LE32R
MAR 02, -287	01:28 PM	180	07PI56	07VI56R
MAR 15, -286	02:46 AM	180	20PI00	20VI00R
MAR 27, -285	11:13 AM	180	01AR47	01LI47R
APR 07, -284	03:26 PM	180	13AR19	13LI19R
APR 19, -283	04:21 PM	180	24AR40	24LI40R
MAY 01, -282	03:20 PM	180	05TA53	05SC53R
MAY 13, -281	01:28 PM	180	17TA02	17SC02R
MAY 24, -280	11:38 AM	180	28TA10	28SC10R
JUN 05, -279	11:13 AM	180	09GE20	09SA20R
JUN 17, -278	01:06 PM	180	20GE36	20SA36R
JUN 29, -277	06:10 PM	180	02CA02	02CP02R
JUL 11, -276	03:48 AM	180	13CA40	13CP40R
JUL 23, -275	06:51 PM	180	25CA35	25CP35R
AUG 05, -274	03:52 PM	180	07LE48	07AQ48R
AUG 18, -273	07:35 PM	180	20LE23	20AQ23R
AUG 31, -272	06:18 AM	180	03VI21	03PI21R
SEP 13, -271	11:59 PM	180	16VI42	16PI42R
SEP 27, -270	11:55 PM	180	00LI25	00AR25R
OCT 12, -269	04:58 AM	180	14LI28	14AR28R
OCT 25, -268	01:49 PM	180	28LI45	28AR45R
NOV 09, -267	00:32 AM	180	13SC12	13TA12R
NOV 23, -266	11:01 AM	180	27SC41	27TA41R
DEC 07, -265	07:28 PM	180	12SA05	12GE05R
DEC 21, -264	00:03 AM	180	26SA19	26GE19R
JAN 03, -262	11:27 PM	180	10CP17	10CA17R

JAN 17, -261	05:10 PM	180	23CP56	23CA56R
JAN 31, -260	04:30 AM	180	07AQ14	07LE14R
FEB 12, -259	09:09 AM	180	20AQ10	20LE10R
FEB 25, -258	07:36 AM	180	02PI44	02VI44R
MAR 10, -257	00:00 AM	180	14PI58	14VI58R
MAR 21, -256	10:44 AM	180	26PI53	26VI53R
APR 02, -255	04:55 PM	180	08AR32	08LI32R
APR 14, -254	07:30 PM	180	19AR58	19LI58R
APR 26, -253	07:25 PM	180	01TA14	01SC14R
MAY 07, -252	05:41 PM	180	12TA24	12SC24R
MAY 19, -251	03:30 PM	180	23TA32	23SC32R
MAY 31, -250	02:06 PM	180	04GE40	04SA40R
JUN 12, -249	02:33 PM	180	15GE52	15SA52R
JUN 23, -248	05:41 PM	180	27GE13	27SA13R
JUL 06, -247	00:51 AM	180	08CA44	08CP44R
JUL 18, -246	12:48 PM	180	20CA30	20CP30R
JUL 31, -245	06:13 AM	180	02LE33	02AQ33R
AUG 12, -244	06:06 AM	180	14LE56	14AQ56R
AUG 25, -243	12:46 PM	180	27LE41	27AQ41R
SEP 08, -242	02:06 AM	180	10VI49	10PI49R
SEP 21, -241	10:08 PM	180	24VI20	24PI20R
OCT 04, -240	11:57 PM	180	08LI11	08AR11R
OCT 19, -239	06:11 AM	180	22LI19	22AR19R
NOV 02, -238	03:18 PM	180	06SC40	06TA40R
NOV 17, -237	01:18 AM	180	21SC06	21TA06R
NOV 30, -236	10:17 AM	180	05SA31	05GE31R
DEC 14, -235	04:30 PM	180	19SA50	19GE50R
DEC 28, -234	06:25 PM	180	03CP55	03CA55R
JAN 11, -232	02:55 PM	180	17CP43	17CA43R
JAN 24, -231	05:16 AM	180	01AQ11	01LE11R

FEB 06, -230	01:01 PM	180	14AQ18	14LE18R
FEB 19, -229	02:22 PM	180	27AQ02	27LE02R
MAR 03, -228	09:31 AM	180	09PI26	09VI26R
MAR 15, -227	11:01 PM	180	21PI30	21VI30R
MAR 28, -226	07:49 AM	180	03AR18	03LI18R
APR 09, -225	12:26 PM	180	14AR51	14LI51R
APR 20, -224	01:38 PM	180	26AR13	26LI13R
MAY 02, -223	12:59 PM	180	07TA27	07SC27R
MAY 14, -222	11:32 AM	180	18TA36	18SC36R
MAY 26, -221	10:04 AM	180	29TA45	29SC45R
JUN 06, -220	09:53 AM	180	10GE56	10SA56R
JUN 18, -219	12:06 PM	180	22GE13	22SA13R
JUN 30, -218	05:42 PM	180	03CA39	03CP39R
JUL 13, -217	03:37 AM	180	15CA19	15CP19R
JUL 24, -216	06:41 PM	180	27CA14	27CP14R
AUG 06, -215	03:53 PM	180	09LE28	09AQ28R
AUG 19, -214	07:41 PM	180	22LE03	22AQ03R
SEP 02, -213	06:16 AM	180	05VI01	05PI01R
SEP 14, -212	11:47 PM	180	18VI22	18PI22R
SEP 28, -211	11:26 PM	180	02LI05	02AR05R
OCT 13, -210	04:03 AM	180	16LI07	16AR07R
OCT 27, -209	12:31 PM	180	00SC24	00TA24R
NOV 09, -208	10:52 PM	180	14SC50	14TA50R
NOV 24, -207	08:59 AM	180	29SC18	29TA18R
DEC 08, -206	05:07 PM	180	13SA41	13GE41R
DEC 22, -205	09:21 PM	180	27SA53	27GE53R
JAN 04, -203	08:18 PM	180	11CP50	11CA50R
JAN 18, -202	01:36 PM	180	25CP28	25CA28R
FEB 01, -201	00:44 AM	180	08AQ45	08LE45R
FEB 14, -200	05:24 AM	180	21AQ41	21LE41R

FEB 26, -199	03:51 AM	180	04PI15	04VI15R
MAR 10, -198	08:21 PM	180	16PI29	16VI29R
MAR 23, -197	07:29 AM	180	28PI24	28VI24R
APR 03, -196	02:05 PM	180	10AR04	10LI04R
APR 15, -195	05:05 PM	180	21AR31	21LI31R
APR 27, -194	05:32 PM	180	02TA49	02SC49R
MAY 09, -193	04:18 PM	180	14TA00	14SC00R
MAY 20, -192	02:31 PM	180	25TA09	25SC09R
JUN 01, -191	01:43 PM	180	06GE18	06SA18R
JUN 13, -190	02:42 PM	180	17GE32	17SA32R
JUN 25, -189	06:15 PM	180	28GE54	28SA54R
JUL 07, -188	01:50 AM	180	10CA26	10CP26R
JUL 19, -187	02:21 PM	180	22CA14	22CP14R
AUG 01, -186	08:16 AM	180	04LE18	04AQ18R
AUG 14, -185	08:21 AM	180	16LE42	16AQ42R
AUG 26, -184	03:01 PM	180	29LE27	29AQ27R
SEP 09, -183	04:25 AM	180	12VI35	12PI35R
SEP 23, -182	00:17 AM	180	26VI05	26PI05R
OCT 07, -181	01:45 AM	180	09LI56	09AR56R
OCT 20, -180	07:36 AM	180	24LI04	24AR04R
NOV 03, -179	04:10 PM	180	08SC23	08TA23R
NOV 18, -178	01:29 AM	180	22SC48	22TA48R
DEC 02, -177	09:55 AM	180	07SA12	07GE12R
DEC 15, -176	03:34 PM	180	21SA29	21GE29R
DEC 29, -175	04:55 PM	180	05CP33	05CA33R
JAN 12, -173	01:01 PM	180	19CP19	19CA19R
JAN 26, -172	02:57 AM	180	02AQ46	02LE46R
FEB 07, -171	10:20 AM	180	15AQ52	15LE52R
FEB 20, -170	11:34 AM	180	28AQ36	28LE36R
MAR 05, -169	06:51 AM	180	10PI59	10VI59R

MAR 16, -168	08:29 PM	180	23PI04	23VI04R
MAR 29, -167	05:27 AM	180	04AR52	04LI52R
APR 10, -166	10:27 AM	180	16AR26	16LI26R
APR 22, -165	12:15 PM	180	27AR48	27LI48R
MAY 03, -164	12:05 PM	180	09TA03	09SC03R
MAY 15, -163	11:00 AM	180	20TA13	20SC13R
MAY 27, -162	10:04 AM	180	01GE23	01SA23R
JUN 08, -161	10:24 AM	180	12GE35	12SA35R
JUN 19, -160	01:04 PM	180	23GE54	23SA54R
JUL 01, -159	07:12 PM	180	05CA22	05CP22R
JUL 14, -158	05:31 AM	180	17CA02	17CP02R
JUL 26, -157	08:49 PM	180	28CA59	28CP59R
AUG 07, -156	06:19 PM	180	11LE14	11AQ14R
AUG 20, -155	10:21 PM	180	23LE50	23AQ50R
SEP 03, -154	08:56 AM	180	06VI48	06PI48R
SEP 17, -153	02:13 AM	180	20VI09	20PI09R
SEP 30, -152	01:35 AM	180	03LI52	03AR52R
OCT 14, -151	05:51 AM	180	17LI53	17AR53R
OCT 28, -150	01:51 PM	180	02SC09	02TA09R
NOV 11, -149	11:42 PM	180	16SC33	16TA33R
NOV 25, -148	09:20 AM	180	01SA00	01GE00R
DEC 09, -147	04:56 PM	180	15SA22	15GE22R
DEC 23, -146	08:42 PM	180	29SA33	29GE33R
JAN 06, -144	07:21 PM	180	13CP29	13CA29R
JAN 19, -143	12:13 PM	180	27CP05	27CA05R
FEB 01, -142	10:59 PM	180	10AQ21	10LE21R
FEB 15, -141	03:32 AM	180	23AQ16	23LE16R
FEB 28, -140	01:51 AM	180	05PI50	05VI50R
MAR 11, -139	06:18 PM	180	18PI04	18VI04R
MAR 24, -138	05:47 AM	180	00AR00R	00LI00R

APR 05, -137	12:48 PM	180	11AR40	11LI40R
APR 16, -136	04:05 PM	180	23AR08	23LI08R
APR 28, -135	04:57 PM	180	04TA27	04SC27R
MAY 10, -134	04:21 PM	180	15TA39	15SC39R
MAY 22, -133	03:13 PM	180	26TA49	26SC49R
JUN 02, -132	02:56 PM	180	08GE00	08SA00R
JUN 14, -131	04:27 PM	180	19GE15	19SA15R
JUN 26, -130	08:44 PM	180	00CA38	00CP38R
JUL 09, -129	04:58 AM	180	12CA13	12CP13R
JUL 20, -128	06:02 PM	180	24CA02	24CP02R
AUG 02, -127	12:34 PM	180	06LE08	06AQ08R
AUG 15, -126	01:08 PM	180	18LE33	18AQ33R
AUG 28, -125	08:04 PM	180	01VI20	01PI20R
SEP 10, -124	09:44 AM	180	14VI29	14PI29R
SEP 24, -123	05:43 AM	180	27VI59	27PI59R
OCT 08, -122	07:01 AM	180	11LI50	11AR50R
OCT 22, -121	12:38 PM	180	25LI58	25AR58R
NOV 04, -120	08:50 PM	180	10SC16	10TA16R
NOV 19, -119	05:40 AM	180	24SC40	24TA40R
DEC 03, -118	01:36 PM	180	09SA03	09GE03R
DEC 17, -117	06:42 PM	180	23SA18	23GE18R
DEC 30, -116	07:21 PM	180	07CP20	07CA20R
JAN 13, -114	02:46 PM	180	21CP05	21CA05R
JAN 27, -113	04:06 AM	180	04AQ30	04LE30R
FEB 09, -112	11:02 AM	180	17AQ34	17LE34R
FEB 21, -111	11:53 AM	180	00PI17	00VI17R
MAR 06, -110	06:57 AM	180	12PI40	12VI40R
MAR 18, -109	08:31 PM	180	24PI44	24VI44R
MAR 30, -108	05:25 AM	180	06AR31	06LI31R
APR 11, -107	10:32 AM	180	18AR05	18LI05R

APR 23, -106	12:50 PM	180	29AR28	29LI28R
MAY 05, -105	01:03 PM	180	10TA44	10SC44R
MAY 16, -104	12:13 PM	180	21TA55	21SC55R
MAY 28, -103	11:50 AM	180	03GE06	03SA06R
JUN 09, -102	12:51 PM	180	14GE20	14SA20R
JUN 21, -101	04:04 PM	180	25GE40	25SA40R
JUL 02, -100	10:47 PM	180	07CA10	07CP10R
JUL 02, -100	10:48 PM	180	07CA10	07CP10R
JUL 15, -99	09:49 AM	180	18CA52	18CP52R
JUL 28, -98	01:51 AM	180	00LE50	00AQ50R
AUG 09, -97	11:55 PM	180	13LE07	13AQ07R
AUG 22, -96	04:25 AM	180	25LE45	25AQ45R
SEP 04, -95	03:21 PM	180	08VI45	08PI45R
SEP 18, -94	08:45 AM	180	22VI07	22PI07R
OCT 02, -93	08:03 AM	180	05LI49	05AR49R
OCT 15, -92	12:14 PM	180	19LI50	19AR50R
OCT 29, -91	07:52 PM	180	04SC05	04TA05R
NOV 13, -90	05:05 AM	180	18SC29	18TA29R
NOV 27, -89	02:07 PM	180	02SA54	02GE54R
DEC 10, -88	09:03 PM	180	17SA14	17GE14R
DEC 25, -87	00:10 AM	180	01CP23	01CA23R
JAN 07, -85	10:22 PM	180	15CP17	15CA17R
JAN 21, -84	02:38 PM	180	28CP52	28CA52R
FEB 03, -83	00:39 AM	180	12AQ06	12LE06R
FEB 16, -82	04:39 AM	180	24AQ59	24LE59R
MAR 01, -81	02:39 AM	180	07PI32	07VI32R
MAR 12, -80	06:57 PM	180	19PI45	19VI45R
MAR 25, -79	06:28 AM	180	01AR41	01LI41R
APR 06, -78	01:44 PM	180	13AR22	13LI22R
APR 18, -77	05:18 PM	180	24AR51	24LI51R

APR 29, -76	06:35 PM	180	06TA10	06SC10R
MAY 11, -75	06:34 PM	180	17TA24	17SC24R
MAY 23, -74	06:10 PM	180	28TA35	28SC35R
JUN 04, -73	06:27 PM	180	09GE47	09SA47R
JUN 15, -72	08:37 PM	180	21GE04	21SA04R
JUN 28, -71	01:50 AM	180	02CA29	02CP29R
JUL 10, -70	10:57 AM	180	14CA06	14CP06R
JUL 23, -69	00:39 AM	180	25CA57	25CP57R
AUG 03, -68	07:59 PM	180	08LE05	08AQ05R
AUG 16, -67	09:20 PM	180	20LE33	20AQ33R
AUG 30, -66	04:52 AM	180	03VI21	03PI21R
SEP 12, -65	06:55 PM	180	16VI32	16PI32R
SEP 25, -64	03:03 PM	180	00LI04	00AR04R
OCT 09, -63	04:17 PM	180	13LI55	13AR55R
OCT 23, -62	09:40 PM	180	28LI02	28AR02R
NOV 07, -61	05:33 AM	180	12SC20	12TA20R
NOV 20, -60	01:57 PM	180	26SC43	26TA43R
DEC 04, -59	09:15 PM	180	11SA04	11GE04R
DEC 19, -58	01:36 AM	180	25SA18	25GE18R
JAN 02, -56	01:30 AM	180	09CP18	09CA18R
JAN 14, -55	08:07 PM	180	23CP00	23CA00R
JAN 28, -54	08:47 AM	180	06AQ23	06LE23R
FEB 10, -53	03:16 PM	180	19AQ25	19LE25R
FEB 23, -52	03:36 PM	180	02PI06	02VI06R
MAR 07, -51	10:06 AM	180	14PI27	14VI27R
MAR 19, -50	11:27 PM	180	26PI30	26VI30R
APR 01, -49	08:16 AM	180	08AR17	08LI17R
APR 12, -48	01:22 PM	180	19AR51	19LI51R
APR 24, -47	03:51 PM	180	01TA14	01SC14R
MAY 06, -46	04:24 PM	180	12TA31	12SC31R

MAY 18, -45	03:54 PM	180	23TA43	23SC43R
MAY 29, -44	04:01 PM	180	04GE55	04SA55R
JUN 10, -43	05:37 PM	180	16GE10	16SA10R
JUN 22, -42	09:28 PM	180	27GE32	27SA32R
JUL 05, -41	04:48 AM	180	09CA04	09CP04R
JUL 16, -40	04:37 PM	180	20CA48	20CP48R
JUL 29, -39	09:35 AM	180	02LE49	02AQ49R
AUG 11, -38	08:22 AM	180	15LE08	15AQ08R
AUG 24, -37	01:23 PM	180	27LE48	27AQ48R
SEP 06, -36	00:56 AM	180	10VI49	10PI49R
SEP 19, -35	06:48 PM	180	24VI12	24PI12R
OCT 03, -34	06:17 PM	180	07LI56	07AR56R
OCT 17, -33	10:31 PM	180	21LI58	21AR58R
OCT 31, -32	05:58 AM	180	06SC12	06TA12R
NOV 14, -31	02:44 PM	180	20SC35	20TA35R
NOV 28, -30	11:18 PM	180	04SA59	04GE59R
DEC 13, -29	05:42 AM	180	19SA18	19GE18R
DEC 26, -28	08:14 AM	180	03CP25	03CA25R
JAN 09, -26	05:51 AM	180	17CP17	17CA17R
JAN 22, -25	09:29 PM	180	00AQ50	00LE50R
FEB 05, -24	06:40 AM	180	14AQ02	14LE02R
FEB 17, -23	09:55 AM	180	26AQ53	26LE53R
MAR 02, -22	07:24 AM	180	09PI24	09VI24R
MAR 14, -21	11:24 PM	180	21PI36	21VI36R
MAR 26, -20	10:36 AM	180	03AR31	03LI31R
APR 07, -19	05:41 PM	180	15AR11	15LI11R
APR 19, -18	09:28 PM	180	26AR40	26LI40R
MAY 01, -17	10:59 PM	180	08TA00	08SC00R
MAY 12, -16	11:14 PM	180	19TA14	19SC14R
MAY 24, -15	11:19 PM	180	00GE26	00SA26R

JUN 06, -14	00:12 AM	180	11GE40	11SA40R
JUN 18, -13	02:59 AM	180	22GE58	22SA58R
JUN 29, -12	09:03 AM	180	04CA26	04CP26R
JUL 11, -11	07:02 PM	180	16CA04	16CP04R
JUL 24, -10	09:36 AM	180	27CA58	27CP58R
AUG 06, -9	05:54 AM	180	10LE09	10AQ09R
AUG 18, -8	08:21 AM	180	22LE40	22AQ40R
AUG 31, -7	04:54 PM	180	05VI31	05PI31R
SEP 14, -6	07:40 AM	180	18VI44	18PI44R
SEP 28, -5	04:16 AM	180	02LI18	02AR18R
OCT 11, -4	05:53 AM	180	16LI11	16AR11R
OCT 25, -3	11:22 AM	180	00SC19	00TA19R
NOV 08, -2	07:06 PM	180	14SC37	14TA37R
NOV 23, -1	03:11 AM	180	28SC59	28TA59R
DEC 06, 0	09:52 AM	180	13SA18	13GE18R